

Materials List for:

Merging Ion Concentration Polarization between Juxtaposed Ion Exchange Membranes to Block the Propagation of the Polarization Zone

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Materials

Name	Company	Catalog Number	Comments
Sylgard 184 Silicone Elastomer kit	Dow Corning		
Trichlorosilane	Sigma Aldrich	175552	Highly toxic
Nafion perfluorinated resin, 20 wt%	Sigma Aldrich	527122	
Sodium chloride	Sigma Aldrich	71394	
Potassium chloride	Sigma Aldrich	60121	
Alexa Fluor 488 carboxylic acid, succinimidyl ester	Invitrogen	A20000	
Isothiocyanate-conjugated albumin	Sigma Aldrich	A9771	
Phosphate buffer saline, 1x	Wengene	LB004-02	
Tween 20	Sigma Aldrich	P1379	
Epifluorescence microscope	Olympus	IX-71	
Charged-coupled device camera	Hamamtsu Co.	ImageEM X2	
Source measurement unit	Keithley Instruments	2635A	
Covance-MP	Femto Science		